Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/09/2019 10:03 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	127123	1	1.21	127150	1.20
Blue	F	SSC	125000	124396	-1	1.67	125224	1.61
Blue	E	FITC	16122	15671	-3	2.67	341	19.68
Blue	D	PE	29316	29002	-2	1.81	633	14.51
Blue	B	PerCP-Cy5-5	42590	41962	-2	3.55	1130	20.22
Blue	A	PE-Cy7	33146	32803	-2	5.91	630	39.82
Red	C	APC	45473	45177	-1	2.40	1599	12.12
Red	A	APC-Cy7	31961	30807	-4	2.34	815	12.10
Violet	B	V450	7914	7360	-8	5.27	411	13.67
Violet	A	V500	29769	28284	-5	5.14	658	10.78

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21819	3.30	609	9	N/A	N/A	Pass
Blue	F	SSC	56600	1.13	553	15	N/A	N/A	Pass
Blue	E	FITC	63	60.01	540	3	0.0201	74	Pass
Blue	D	PE	133	48.86	543	6	0.1680	274	Pass
Blue	B	PerCP-Cy5-5	208	49.42	647	9	0.0091	54	Pass
Blue	A	PE-Cy7	116	98.20	699	8	0.0113	13	Pass
Red	C	APC	379	25.10	588	9	0.0242	123	Pass
Red	A	APC-Cy7	180	28.29	563	7	0.0053	652	Pass
Violet	B	V450	63	60.23	464	4	0.0507	2100	Pass
Violet	A	V500	98	31.45	477	5	0.0232	466	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.65	-31.97	1.00
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	15.46	13.60 - 20.40	N/A	N/A	29.67	29.96	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 13341

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments